## We Claim:

1

2

8.

evaporator through a feed line.

1 1. A method of protecting the chilled water tubes in the evaporator of an 2 absorption machine in the event the chilled water flows through the evaporator is terminated while the machine is running that includes the steps of: 3 4 monitoring the flow of chilled water through the evaporator tubes, 5 signaling the machine controller to initiate a machine shut down procedure in the event the chilled water flow has terminated; and 6 7 delivering a working fluid from a high temperature region of the machine to said evaporator to raise the temperature within the evaporator above a level at which 8 9 the water in said evaporator tubes freezes. 1 2. The method of claim 1 wherein said working fluid is a refrigerant. 1 The method of claim 2 wherein said refrigerant is drawn from a high 3. 2 temperature generator. 1 4. The method of claim 3 wherein the refrigerant is gravity feed to the 2 evaporator through a feed line. 1 5. The method of claim 4 that includes the further step of mounting a normally closed solenoid valve in said feed line, said valve being arranged to open 2 3 when the shut down procedure is initiated. 1 6. The method of claim 1 wherein said working fluid is an absorptive 2 solution. 1 7. The method of claim 6 wherein said solution is drawn from a system 2 condenser.

The method of claim 7 wherein said solution is gravity feed to the

1 The method of claim 1 that includes the further step of maintaining 9. the refrigerant pump operative upon initiation of the shut down procedure whereby 2 the working fluid in the evaporator sump is re-circulated through the evaporator. 3 1 The method of claim 6 wherein said solution is drawn from the 10. 2 absorber. 1 Apparatus for preventing water in the chilled water tubes of an 11. 2 absorption machines evaporator from freezing in the event the chilled water flow through the evaporator is terminated, wherein said apparatus includes: 3 4 means for sensing the flow of chilled water through the evaporator and sending a signal to a programmed controller for shutting down said machine, 5 6 a feed line for delivering a high temperature working fluid to the evaporator; 7 and 8 a remotely controlled normally closed, valve in the feed line which is opened by a signal from said controller when the chilled water flow has terminated whereby 9 said high temperature working fluid is delivered into the evaporator. 10 1 12. The apparatus of claim 11 wherein said feed line is arranged to 2 connect a high temperature generator with the evaporator to feed refrigerant from 3 said generator to said evaporator. 1 13. The apparatus of claim 12 wherein the refrigerant is gravity feed into 2 said evaporator. 1 The apparatus of claim 11 wherein said feed line is arranged to feed 14. 2 solution from a condenser to the evaporator